

Amendments to the Specification:

Please delete the current Abstract on page 32 of the specification and add the following new abstract:

A reactor at least including a reaction area and a coolable heat exchanger area connected with each other in fluid-communicating fashion is disclosed. The reaction area includes at least one solid-state catalyst. The heat exchanger area includes at least one housing and an insert including a plurality of elements. The housing is capable of at least partially accommodating the insert. Also disclosed are a process for oxidation of a hydrocarbon using the reactor, an oxidized hydrocarbon product obtainable by this process, chemical products, such as fibers, sheets, formed bodies, and the like based on this oxidized hydrocarbon product as well as the use of this oxidized hydrocarbon product in chemical products of this type.

Please amend the title to read: "REACTOR COMPRISING A HEAT EXCHANGER
AREA COMPRISING AN INSERT."

Please delete "List of Reference Numerals" on pages 24-26 of the specification.